



2021

Aptar   
**SASB**

INDEX



# Aptar 2021 SASB Index

The Sustainability Accounting Standards Board (SASB) categorizes Aptar within its Containers and Packaging Industry, under its Sustainable Industry Classification System (SICS).

Our SASB is a supplement to our [\*\*2021 Corporate Sustainability Report and GRI Index\*\*](#). This report highlights activities across Aptar global operations from January 1 through December 31, 2021.

Our scope encompasses initiatives undertaken by Aptar and its subsidiaries during the calendar year unless otherwise indicated and data given within this report mirrors information given within our most recent sustainability report and/or CDP responses. Relevant links are provided.

SASB Code	Metric	Data/Response
RT-CP-110a.1	<p>Gross global Scope 1 emissions, percentage covered under emissions-limiting regulations.</p>	<p>Gross global Scope 1 emissions in 2021: 23,921 metric tons CO<sub>2</sub>e</p> <p>In 2021, we achieved a significant reduction (74%) in absolute Scope 1+2 GHG emission from 2019 baseline, surpassing our set Science Based Targets (SBT) for emissions reductions well below the 2 °C scenario. In 2022, we are working toward new Scope 1 and Scope 2 absolute emission reduction goals aligned to 1.5 °C scenario. As of June 2022, we are in process of updating our Scope 1 and Scope 2 targets with Science Based Targets initiative (SBTi). We expect validation of our new direction by the end of 2022.</p> <p>At year-end 2021, 96% of our total electricity consumption was from renewable energy sources, which is well ahead of our 2021 target and on track to achieve 100% by 2030 targets. We also improved our Scope 3 emissions calculations. We engaged approximately 40% of our suppliers by the end of 2021 on their emissions reduction efforts, including transportation, raw materials production and travel through EcoVadis. We report on our supplier engagement annually through the CDP climate change questionnaire, which gives every participating company a Supplier Engagement Rating (SER), and through our own EcoVadis assessment. In both 2020 and 2021, we received A rating on our SER performance and were recognized on the Supplier Engagement Leaderboard by CDP for working with our suppliers on governance, targets, Scope 3 emissions and value chain engagement.</p> <p>Aptar discloses Scope 1, 2 &amp; 3 emissions data on our annual Sustainability Report and CDP Climate Change Response. For recent information, please visit the relevant links below.</p> <p><b><u><a href="#">2021 Sustainability Report and GRI Index (PDF pages: 7 and 53-56)</a></u></b></p> <p><b><u><a href="#">CDP Climate Change 2021 Response</a></u></b></p>

SASB Code	Metric	Data/Response
RT-CP-110a.2	<p>Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets, and an analysis of performance against those targets.</p>	<p>Aptar formalized science-based targets (SBTs) in 2020, setting a Scope 1 + Scope 2 emissions reduction goal in line with “Well-Below 2 °Celsius (WB2°C)”, a Scope 3 emissions reduction goal in line with “2 °Celsius (2 °C)”, and a goal to increase the sourcing of renewable electricity from 57% in 2019 to 100% by 2030. This science-based approach incorporates direct emissions from Aptar’s own electricity, fuel oil, natural gas, and refrigerant usage (Scope 1 + 2), as well as emissions from operations within the value chain, including transportation of goods, raw materials, business travel and commuting (Scope 3).</p> <p>At year-end 2020, Aptar had already surpassed the WB2°C target, with a 57% reduction of Scope 1 + Scope 2. At year-end 2021 we achieved a 74% reduction of Scope 1 + Scope 2 as compared to the 2019 baseline. For this reason, as of June 2022, we are in-process of formally updating, with the Science Based Targets initiative (SBTi), the Scope 1 + Scope 2 target to align with the more aggressive “1.5 °C Business Ambition”. We expect validation of this new direction by the end of 2022.</p> <p>Further, we are on track to achieve our renewable electricity target by 2030, with 96% of our electricity coming from renewable sources in 2021. While reductions in Scope 3 emissions are proving more difficult we are pleased with the progress we have made in improving in our ability to measure and calculate these emissions. This understanding will help inform our Scope 3 reduction strategies.</p> <p><b><u><a href="#">2021 Sustainability Report and GRI Index (PDF pages: 53-56)</a></u></b>  <b><u><a href="#">Energy Use and Reporting</a></u></b>  <b><u><a href="#">CDP Climate Change 2021 Response</a></u></b></p>

SASB Code	Metric	Data/Response
RT-CP-120a.1	<p>Air emissions of the following pollutants:</p> <ul style="list-style-type: none"> <li>(1) NO<sub>x</sub> (excluding N<sub>2</sub>O)</li> <li>(2) SO<sub>x</sub></li> <li>(3) Volatile organic compounds (VOCs)</li> <li>(4) Particulate matter (PM)</li> </ul>	<p>Aptar considered GHGs emissions expressed as CO<sub>2</sub> equivalent including CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, HFCs, PFCs, SF<sub>6</sub>, NF<sub>3</sub>. The emission of nitrogen oxides and sulfur oxides were calculated as CO<sub>2</sub> equivalent. Scope 1 total CO<sub>2</sub>e direct emissions is 23,921 t CO<sub>2</sub>e (of which 22,564 from CO<sub>2</sub>, 23.00 from CH<sub>4</sub>, 18.00 from N<sub>2</sub>O, 1,316 from HFCs), equal to 3.6% of the total GHG emissions. Calculations were made according to the standard ISO 14064-1: 2019 Quantification and Reporting of Greenhouse Gas Emissions and Removals.</p> <p><b><u><a href="#">2021 Sustainability Report and GRI Index (PDF page: 56)</a></u></b></p> <p><b><u><a href="#">CDP Climate Change 2021 Response</a></u></b></p> <p><b><u><a href="#">2021 Verification + Assurance Statement for Scope 1, 2 and 3 Emissions</a></u></b></p>

SASB Code	Metric	Data/Response
RT-CP-130a.1	<ul style="list-style-type: none"> <li>(1) Total energy consumed</li> <li>(2) Percentage grid electricity</li> <li>(3) Percentage renewable</li> <li>(4) Total self-generated energy</li> </ul>	<p>In 2021,</p> <ul style="list-style-type: none"> <li>(1) Total energy consumption: <ul style="list-style-type: none"> <li>a. total electricity: 563,259,099 KWH;</li> <li>b. total natural gas and fuels: 108,790,426 KWH</li> </ul> </li> <li>(2) Percentage grid electricity: All purchased electricity is sourced from the grid. Aptar does not include self-generated electricity.</li> <li>(3) Percentage of global electricity consumption coming from renewable sources: 96%. <p>As a part of our science-based targets, Aptar is investigating ways to increase our renewable energy purchases. A list of Aptar sites sourcing renewable energy and additional information about our energy consumption can be found within our GRI Index.</p> </li> <li>(4) Total self-generated energy: Not applicable.</li> </ul> <p><b><u><a href="#">2021 Sustainability Report and GRI Index (PDF pages: 49, 50 &amp; 56)</a></u></b></p> <p><b><u><a href="#">CDP Climate Change 2021 Response</a></u></b></p>

SASB Code	Metric	Data/Response
RT-CP-140a.1	<p>(1) Total water withdrawn</p> <p>(2) Total water consumed, percentage of each in regions with High or Extremely High Baseline Water Stress</p>	<p>In 2021,</p> <p>(1) Total water withdrawn: 3,991 megaliters</p> <p>(2) Total water consumption: 109 megaliters</p> <p>Water is not a high importance material indicator for us or a key raw material component in our processes. Most of our manufacturing facilities have closed loop water systems, and overall, Aptar sites consume less than 3% of our total water withdrawal — total water consumption was 109 megaliters, down from 116 megaliters during the previous year. What we return to the system is often even at a better and cleaner quality than what was drawn, due to our internal closed loop and water treatment processes. Sites report water withdrawal and discharge metrics on a monthly basis, and we respond to the CDP water assessment annually.</p> <p>We also monitor and report on water stress using the World Resources Institute’s Aqueduct Water Risk Atlas. Aptar has 20 manufacturing facilities that are currently located in areas facing extremely high, high or medium water stress. We will repeat the assessment and include all our recent acquisitions in advance of our CDP water reporting in 2022 while using the newly launched EHStar metrics module, which gives us increased visibility to our water data allowing for improvements and progress tracking in future years. In 2020 we participated in a work group with WBCSD to create and pilot a water circularity tool.</p> <p><b><u><a href="#">2021 Sustainability Report and GRI Index (PDF pages: 51-52)</a></u></b></p> <p><b><u><a href="#">CDP Water Security 2021 Response</a></u></b></p>

SASB Code	Metric	Data/Response
RT-CP-140a.2	<p>Description of water management risks and discussion of strategies and practices to mitigate those risks</p>	<p>Water risks are assessed in alignment to the standards set by the Task Force for Climate-Related Financial Disclosures (TCFD) and incorporated into our Enterprise Risk Management processes. We do not anticipate significant risk due to water stress because of our closed loop systems and contingency plans. Detailed information about water management risks and strategies to mitigate those risks can be found within the most recent CDP response.</p> <p><a href="#"><u>2021 Sustainability Report and GRI Index (PDF pages: 51-52)</u></a>  <a href="#"><u>CDP Water Security 2021 Response</u></a>  <a href="#"><u>Aptar's Task Force for Climate Related Financial Disclosures (TCFD)</u></a></p>
RT-CP-140a.3	<p>Number of incidents of non-compliance associated with water quality permits, standards, and regulations</p>	<p>There were no incidents of water related non-compliance within the reporting year.</p>

SASB Code	Metric	Data/Response
RT-CP-150a.1	Amount of hazardous waste generated, percentage recycled	<p>In 2021, total hazardous waste was 5,105 tons, accounting for 12 percent of Aptar’s total waste generation.</p> <p>Established in 2013, and based on the Zero Waste International Alliance protocol, Aptar’s internal Landfill Free program (LFF) encourages the reduction, reuse and recycling of waste byproducts from our manufacturing processes. Since 2013, the program has been a focus initiative that is integrated into our global strategy.</p> <p>The 2021 landfill free target was for at least 60 percent of all Aptar sites to be certified as LFF. As of year-end 2021, we surpassed that target with 63 percent of all sites certified to the LFF program. These sites have proven, by third-party verification audit, to have at least 90 percent recycle/reuse of operational wastes.</p> <p>Aptar collects data regarding waste disposal amounts from all locations globally on a monthly basis, including total nonhazardous waste to landfill and total hazardous waste. We monitor waste disposal avoidance in all sites. At year-end 2021, Aptar achieved 83 percent disposal avoidance of operational wastes, surpassing our 2021 target of at least 80%. We are working with global partners to expand the Landfill Free program to North and Southeast Asia where recycling opportunities and waste tracking processes are less available.</p> <p><b><u><a href="#">2021 Sustainability Report and GRI Index (PDF pages: 56-57)</a></u></b></p> <p><b><u><a href="#">List of Landfill Free Certified Sites</a></u></b></p>

SASB Code	Metric	Data/Response
RT-CP-250a.1	Number of recalls issued, total units recalled	We did not issue any product recalls in the reporting year.
RT-CP-250a.2	Discussion of process to identify and manage emerging materials and chemicals of concern	<p>Product Stewardship remains a high material topic as evidenced by the results of Aptar's most recent materiality assessment. Designing products to reduce negative environmental, health and safety impacts is critical. This includes:</p> <ul style="list-style-type: none"> <li>• Phasing out chemicals of concern</li> <li>• Designing products to include more recycled or reclaimed content</li> <li>• Sourcing efforts to increase recycled content in raw materials</li> <li>• Increasing reusability and recyclability</li> <li>• Decreasing the product life cycle impact</li> <li>• Increasing efficiency of product use</li> </ul> <p>Aptar maintains a Regulatory Policy, which states our commitment to improve the quality, safety and environmental impact of our products. This policy is available on the Aptar website.</p> <p>Over the past few years, Aptar has taken a range of significant actions to eliminate chemicals of concern within our own product lines. Materials identified for phase out of Aptar products include: formaldehyde (POM), styrene (ABS, SAN), vinyl chloride (PVC) and bisphenol A (PC, epoxy). Aptar has developed an internal system with targets and KPIs to track progress towards the elimination of these chemicals of concern. All Aptar products are assessed for health and safety impacts and improvement.</p> <p>For recent information, please visit the relevant links below.</p> <p><b><u><a href="#">2021 Sustainability Report and GRI Index (PDF pages: 30, 49)</a></u></b></p> <p><b><u><a href="#">Sustainable Product Solutions</a></u></b></p> <p><b><u><a href="#">Aptar Regulatory Policy</a></u></b></p>

SASB Code	Metric	Data/Response
RT-CP-410a.1	<p>Percentage of raw materials from:</p> <ul style="list-style-type: none"> <li>(1) Recycled content</li> <li>(2) Renewable resources</li> <li>(3) Renewable and recycled content</li> </ul>	<p>As aligned with the guidelines of the New Plastics Economy Global Commitment via the Ellen MacArthur Foundation, Aptar stated public targets and commitments related to increasing recycled resin content within our dispensing solutions. Globally, Aptar worked to develop a conversion plan to maximize the use of post-consumer recycled resin (PCR) and use of renewable feedstock, such as bio-based materials, to reduce fossil fuel use. As reported within our 2021 Sustainability Report, we achieved less than 1 percent of recycled resin content in our beauty, personal care, home care, food and beverage solutions. 56% of our products were recyclable, reusable, or compostable solutions in personal care, beauty, home care and food &amp; beverage solutions. This progress remains the same as previous year, mostly due to a continued imbalance between demand for PCR and FDA-approved PCR resins. As technological innovations begin to scale, we expect this number to increase in coming years.</p> <p><b><a href="#">2021 Sustainability Report and GRI Index (PDF pages: 35-39)</a></b>  <b><a href="#">Aptar Global Commitment 2021 Signatory Report</a></b></p>
RT-CP-410a.2	<p>Revenue from products that are reusable, recyclable, and/or compostable</p>	<p>While not measured in terms of revenue, in 2021 approximately 56 percent of our dispensing solutions for the beauty, personal care, home care, food and beverage markets were recyclable. In this case, recyclable is defined by the Ellen MacArthur Foundation, as “a packaging or packaging component is recyclable if its successful post-consumer collection, sorting, and recycling is proven to work in practice and at scale.”</p> <p>More information on our 2021 progress will be provided in our next report out to the New Plastics Economy Global Commitment, due in Q3 2022. Information from 2020 can be found within the report from the Ellen MacArthur Foundation linked below.</p> <p><b><a href="#">2021 Sustainability Report and GRI Index (PDF pages: 35-39)</a></b>  <b><a href="#">Aptar Global Commitment 2021 Signatory Report</a></b></p>

SASB Code	Metric	Data/Response
RT-CP-410a.3	<p>Discussion of strategies to reduce the environmental impact of packaging throughout its lifecycle</p>	<p>Aptar seeks to design products and processes with people and the planet in mind. As we design, develop and innovate our products, our strategy addresses recyclability and reusability, resin conversion and sustainable design. Much of this work is aligned to that of partners, like the Ellen MacArthur Foundation and others, who have a vision to innovate products and supply chains in an environmentally conscious way. Today, most of our product families have an Life Cycle Assessment (LCA) built into the design process. Every analysis teaches us something new and addresses the following life cycle stages:</p> <ul style="list-style-type: none"> <li>• Raw materials extraction and production</li> <li>• Transportation</li> <li>• Manufacturing</li> <li>• Packaging and distribution</li> <li>• Use</li> <li>• Reuse</li> <li>• End of life</li> </ul> <p>The methodology, which is aligned with ISO 14040:2006 standards, evaluates potential environmental impacts, including global warming potential, freshwater consumption, land use, energy demand and fossil depletion — and can analyze the materials simultaneously for circularity and recyclability. In 2021, we achieved the International Sustainability and Carbon Certification (ISCC) Plus certification for 10 of our European manufacturing sites, including all sites in Spain and Italy, with more certifications to come in 2022. This certification showcases how our teams are committed to reach our product sustainability goals in a fast and agile way. The ISCC Plus certification enables all of our Aptar segments to provide our customers with solutions produced from certified sustainable food grade resin at a quality that is similar to that of conventional resin. Find the most recent list of Aptar’s ISCC Plus certified sites <a href="#">here</a>.</p> <p><i>Continued on the next page</i></p>

SASB Code	Metric	Data/Response
RT-CP-410a.3		

Discussion of strategies to reduce the environmental impact of packaging throughout its lifecycle

*Continued from the previous page*

Through 2020 to 2021, Aptar continued to work towards our New Plastics Economy Global Commitments. We have a defined global strategy which incorporates segment and regional approaches to our commitments. This allows Aptar to set objectives based on the specificities of each region and market while also considering regional regulations on recycled plastic, recycling and reusability. Aptar is building a plan to improve the recyclability of our products through modification of existing products and development of new mono-material product lines. Collaboration is integral as we work to achieve our targets. We are working to deeply understand the future evolution of recycling technologies. As a member of Ellen MacArthur Foundation’s CE100 network, Aptar is leading a co-project focused on Plastic Recyclability and Circular Innovations with the main goal focused on the investigation of end of life scenarios in collaboration with waste management authorities within cities. Additionally, Aptar has partnered with PureCycle Technologies to develop PCR solutions compatible with our products’ features and using their ultra-pure recycled resin. Our current progress is highlighted on our [website](#).

**[2021 Sustainability Report and GRI Index \(PDF pages 35-39, & 49\)](#)**

**[Aptar Global Commitment 2021 Signatory Report](#)**

SASB Code	Metric	Data/Response
RT-CP-430a.1	Total wood fiber procured, percentage from certified sources	Aptar does not utilize any significant amounts of wood-fiber products to produce finished products.
RT-CP-430a.2	Total aluminum purchased, percentage from certified sources	While Aptar does procure some aluminum to produce finished products, we currently do not have full visibility on certifications. Resin remains our top commodity spend and is the material in which we have the most purchasing visibility. Plastic accounts for more than 73% of the “Purchased goods and services” category of our Scope 3 emissions.

**[2021 Sustainability Report and GRI Index \(Table 305-3, PDF page: 55\)](#)**

SASB Code	Metric	Data/Response
RT-CP-000.A	Amount of production, by substrate	<p>Aptar’s eco-efficiency metrics are normalized to quantities of finished and semifinished products produced and molded components. The accuracy of our production data reported through the metrics collection system is approximately +/-5 percent. For our energy and emissions data, this is considered our annual amount of production.</p> <p>From 2020 to 2021, there was a 3 percent decrease in production. We believe these production numbers were lower than normal due to the impacts of the COVID-19 pandemic. We expect these changes to be temporary.</p>
RT-CP-000.B	Percentage of production as: (1) paper/wood (2) glass (3) metal (4) plastic	<p>Aptar’s main raw material is plastic resin for our broad range of drug delivery, consumer product dispensing and active material science solutions. Due to this, resin remains our main commodity spend. More than 95 percent of our production is of plastic-based materials.</p> <p><b><u><a href="#">2021 Sustainability Report and GRI Index (PDF Page: 47)</a></u></b></p>
RT-CP-000.C	Number of employees	<p>Aptar is headquartered in Crystal Lake, Illinois and in 2021 has 13,000 dedicated employees in 20 countries.</p> <p><b><u><a href="#">2021 Sustainability Report and GRI Index (PDF pages: 3, 42)</a></u></b></p>